Homework 6 Report
Tiantu Xu

How to run training:

```
python train.py --data /User/TiantuXu/Downloads/tiny-imagenet-200/ --save
/User/TiantuXu/Downloads/
```

Hot to run the test:

```
python test.py --model /User/TiantuXu/Downloads/
```

Batch size:

Training batch size: 100 (total 500 * 200)
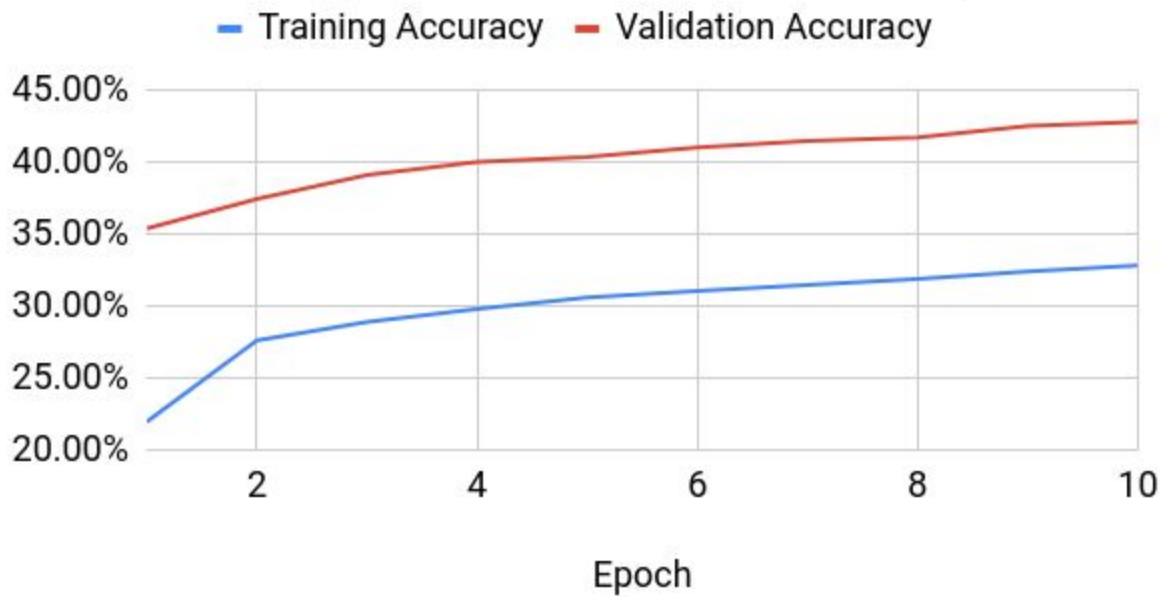Validation batch size: 10 (total 10 * 1000)

Description:

The basic setup is inherited from PyTorch official GitHub page:
https://github.com/pytorch/examples/blob/master/imagenet/main.py
The training and validation are inherited from HW05.

Epoch	Training Accuracy	Training Loss	Validation Accuracy	Validation Loss	Training Time (s)
1	21.96%	5.094201	35.37%	4.959416	1869.71
2	27.60%	5.034790	37.42%	4.935336	1891.80
3	28.87%	5.020821	39.06%	4.919613	1879.06
4	29.76%	5.011578	39.98%	4.908468	1912.26
5	30.59%	5.002901	40.33%	4.905070	1892.48
6	31.02%	4.996852	40.99%	4.897981	1889.52
7	31.43%	4.994217	41.43%	4.893089	1898.16
8	31.85%	4.989633	41.67%	4.892043	1896.46
9	32.37%	4.984706	42.46%	4.883213	1899.13
10	32.80%	4.980233	42.74%	4.880742	1902.18

Training vs Validation Accuracy

Training Accuracy — Validation Accuracy

Training vs Validation Loss

Training Loss — Validation Loss

Training Time vs Epoch

iPod